

Amendments to the Claims:

This listing of claims will replace all prior versions and listings of claims in the application.

What is claimed is:

Claims 1-54 (Canceled)

Claim 55. (New) A complex having two polypeptide molecules comprising:

- a) a first polypeptide molecule having five papillomavirus capsid L1 polypeptides or truncated papillomavirus capsid L1 polypeptides; and
- b) a second polypeptide molecule comprising at least one immunogenic epitope and one or more papillomavirus capsid L1 interaction sequence,

wherein the first polypeptide non-covalently associates with the second polypeptide to form a complex polypeptide molecules.

Claim 56. (New) The complex of claim 55, wherein papillomavirus capsid L1 polypeptides are selected from the group consisting of HPV6, HPV6a, HPV11, HPV16, HPV18, HPV30, HPV31, HPV33, HPV35, HPV39, HPV42, HPV43, HPV44, HPV45, HPV51, HPV52, HPV54, HPV55, HPV56, and HPV70 papillomavirus capsid L1 polypeptides.

Claim 57. (New) The complex of claim 55, wherein papillomavirus capsid L1 polypeptides are selected from the group consisting of HPV6b, HPV11, HPV16, and HPV33 papillomavirus capsid L1 polypeptide.

Claim 58. (New) The complex of claim 55, wherein the papillomavirus capsid L1 polypeptides are HPV11.

Claim 59. (New) The complex of claim 55, wherein the complex forms a capsomere.

Claim 60. (New) The complex of claim 55, wherein the second polypeptide molecule is a chimeric polypeptide molecule.

Claim 61. (New) The complex of claim 55, wherein the five papillomavirus capsid L1 polypeptides or truncated papillomavirus capsid L1 polypeptides are truncated papillomavirus capsid L1 polypeptides.

Claim 62. (New) The complex of claim 61, wherein the truncated papillomavirus capsid L1 polypeptides comprise papillomavirus capsid L1 polypeptides having one or more amino acids deleted from the carboxy terminus, one or more amino acids deleted from the amino terminus, one or more amino acids deleted from an internal region of papillomavirus capsid L1 polypeptides, or combinations thereof.

Claim 63. (New) The complex of claim 55, wherein the second polypeptide molecule is derived from a viral-associated protein or a tumor antigen.

Claim 64. (New) The complex of claim 55, wherein the second polypeptide molecule comprises a papillomavirus capsid L2 polypeptide or portions thereof